

FIG. 1

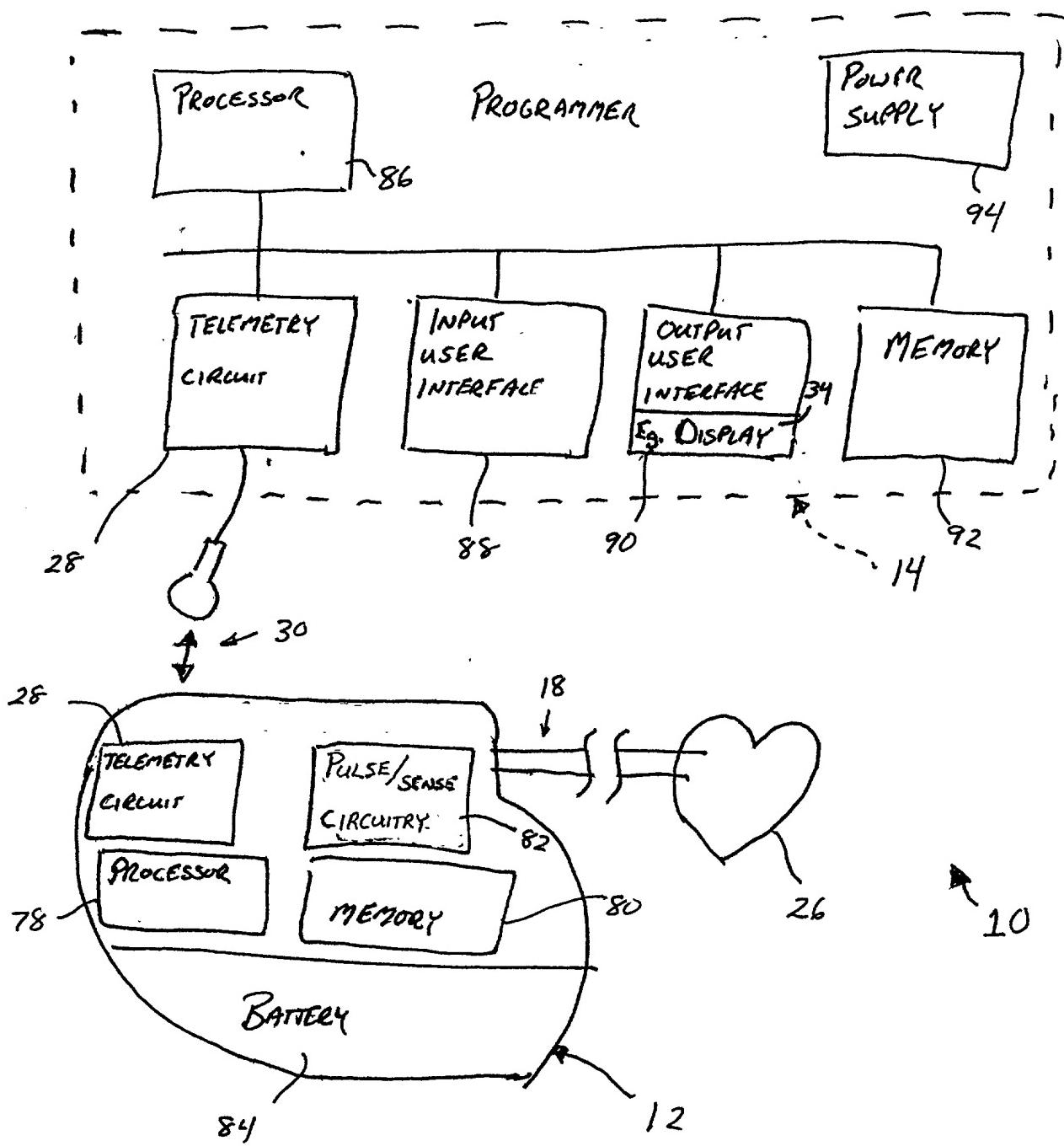


FIG. 2

atrial sensed atrial sensed atrial sensed atrial sensed atrial sensed

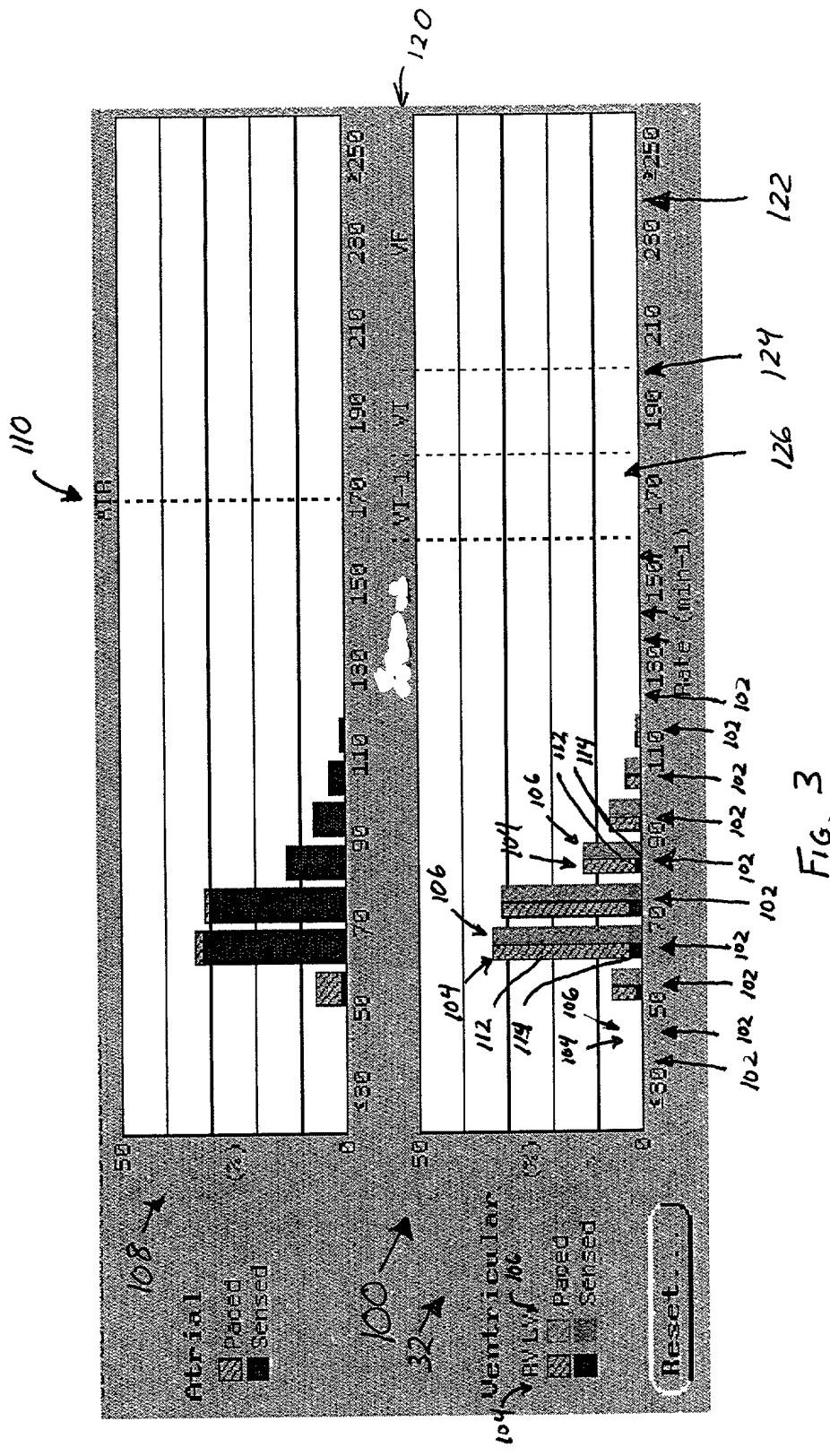
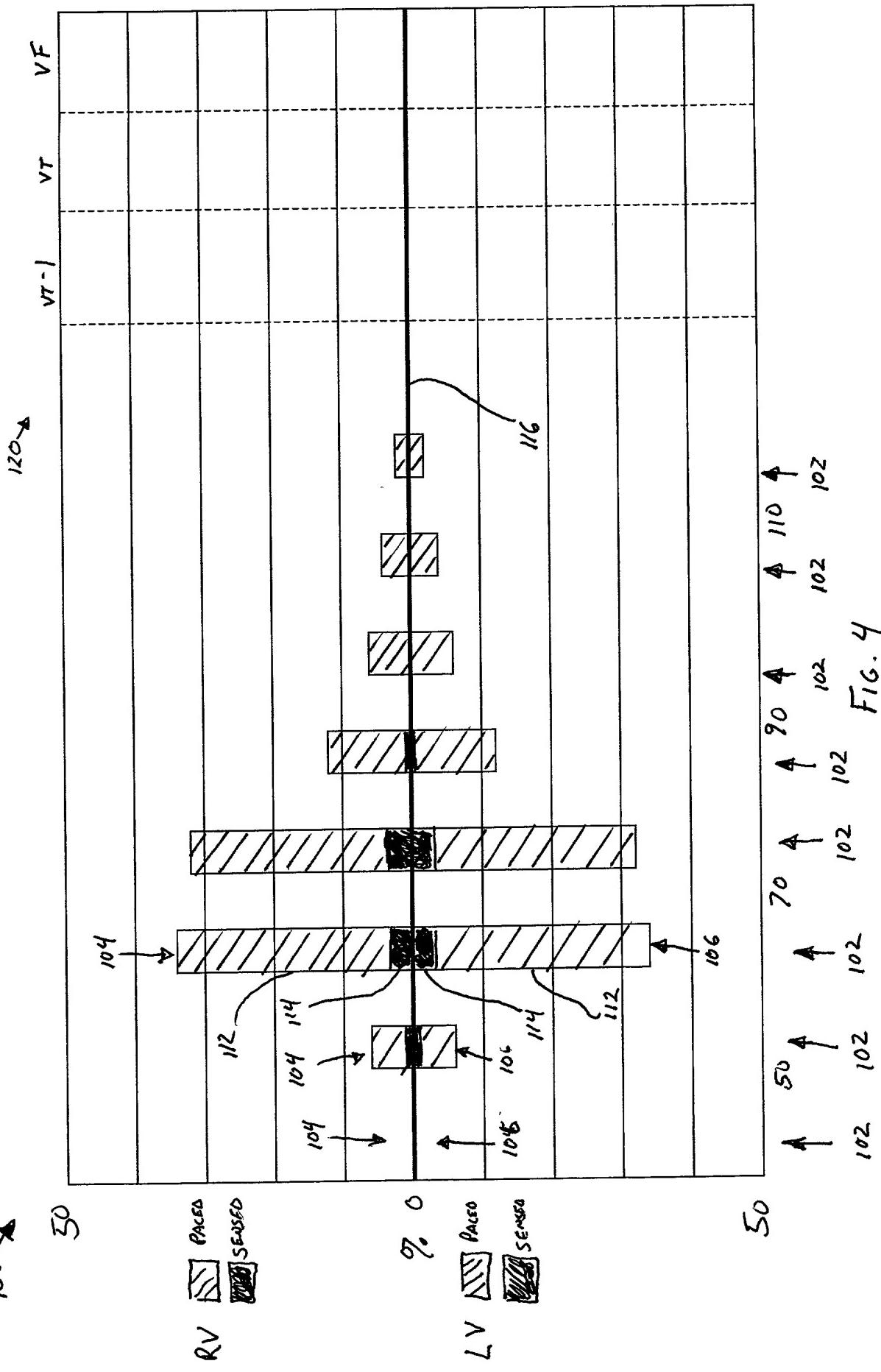


Fig. 3

32

100

۵۳



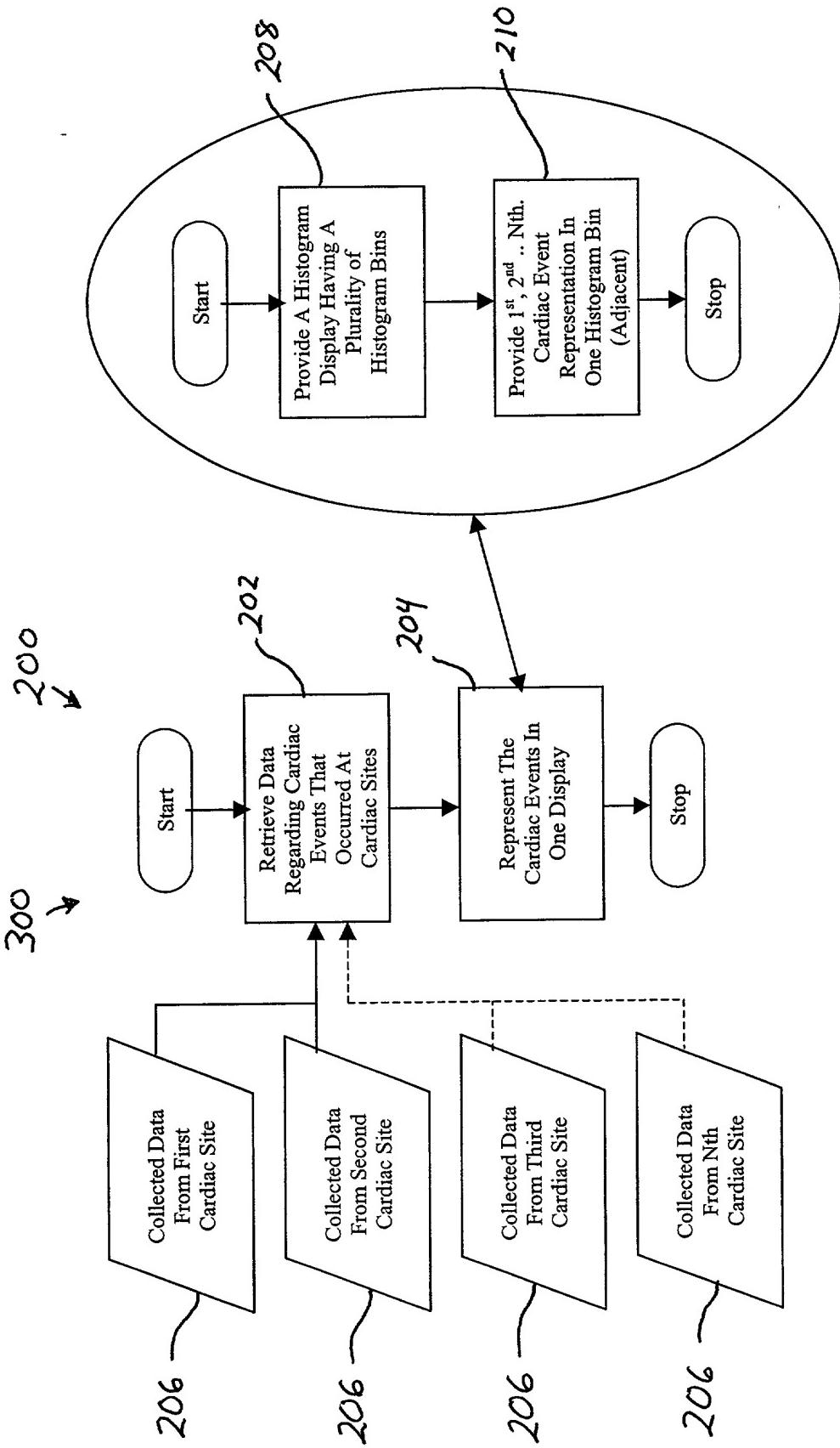
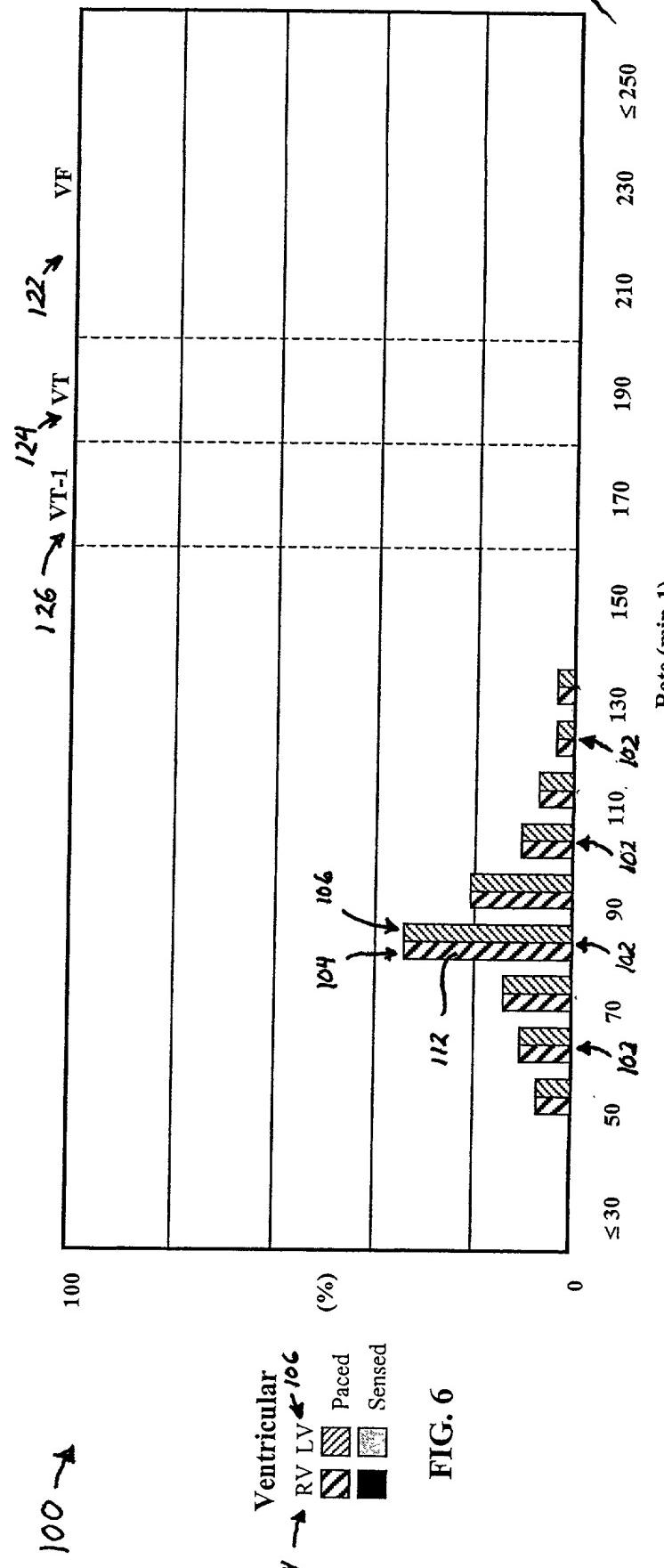
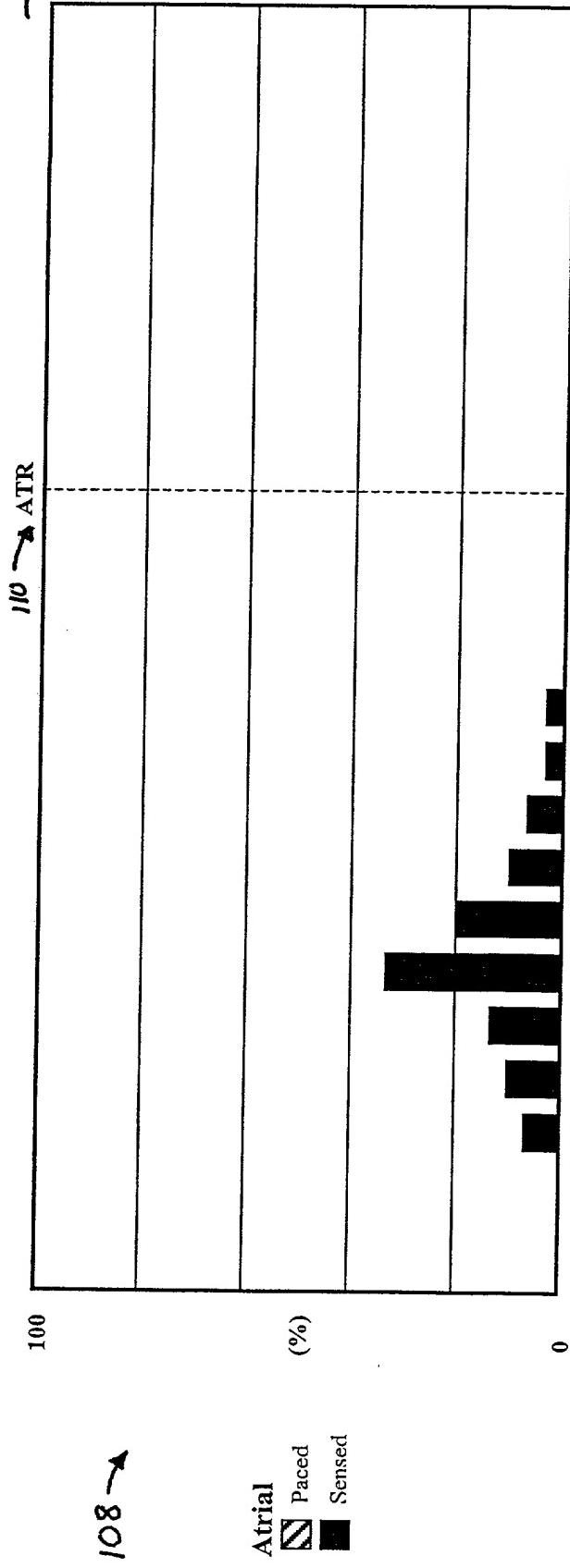


Fig. 5

Desired Therapy - Atrial Tracking Resulting In BV Pacing



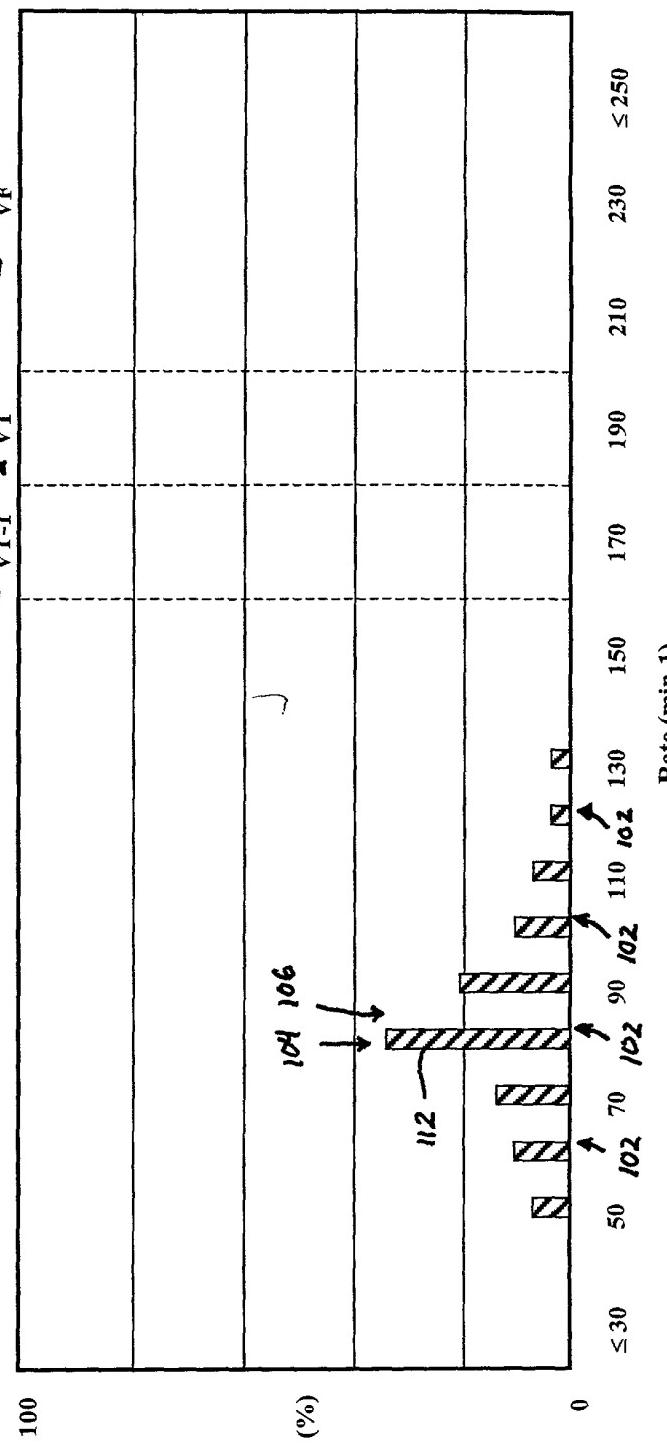
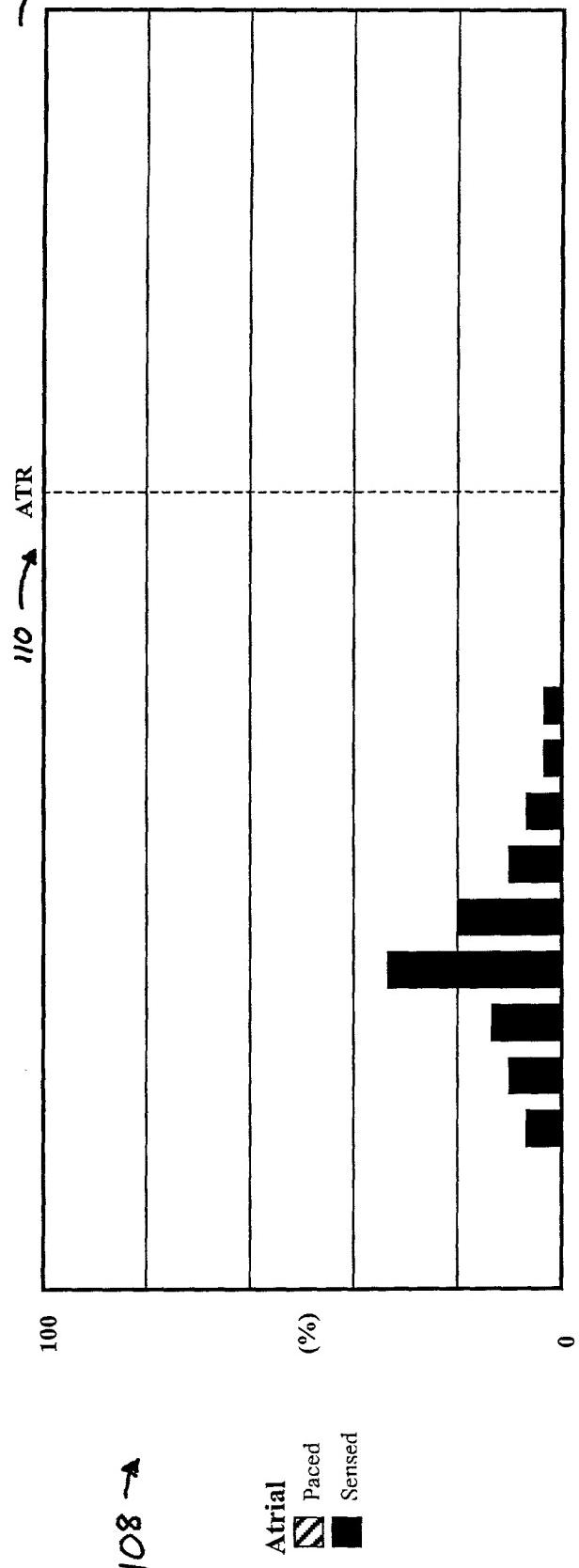
32 →

Ventricular  
Pacing → RV LV ← 106

104 106

FIG. 6

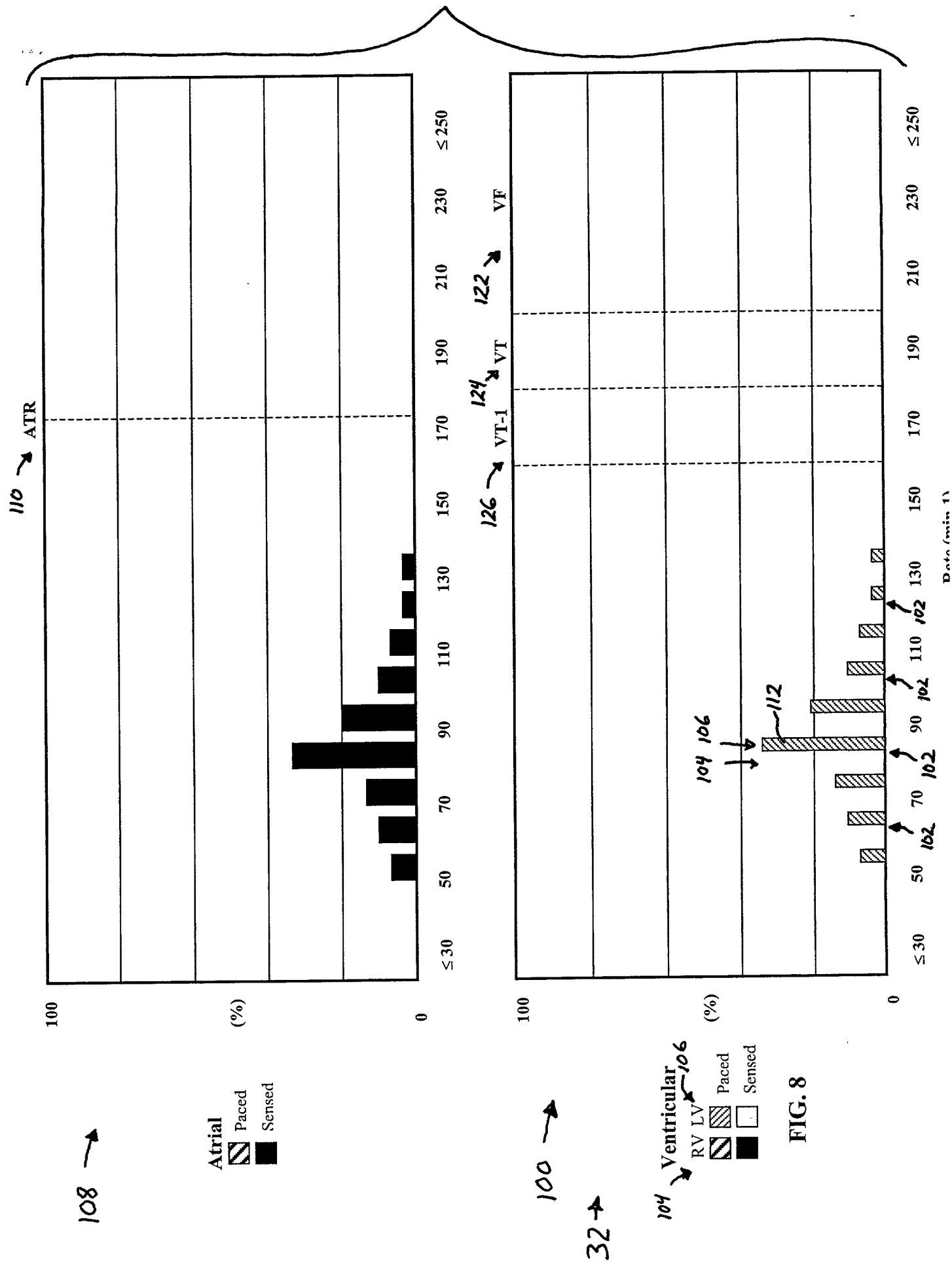
**Desired Therapy → Atrial Tracking Resulting In RV Pacing**



RV LV  
Paced  
Sensed

FIG. 7

**Desired Therapy - Atrial Tracking Resulting In LV Pacing**

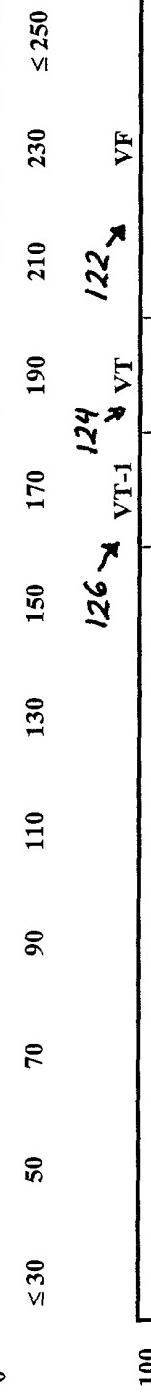
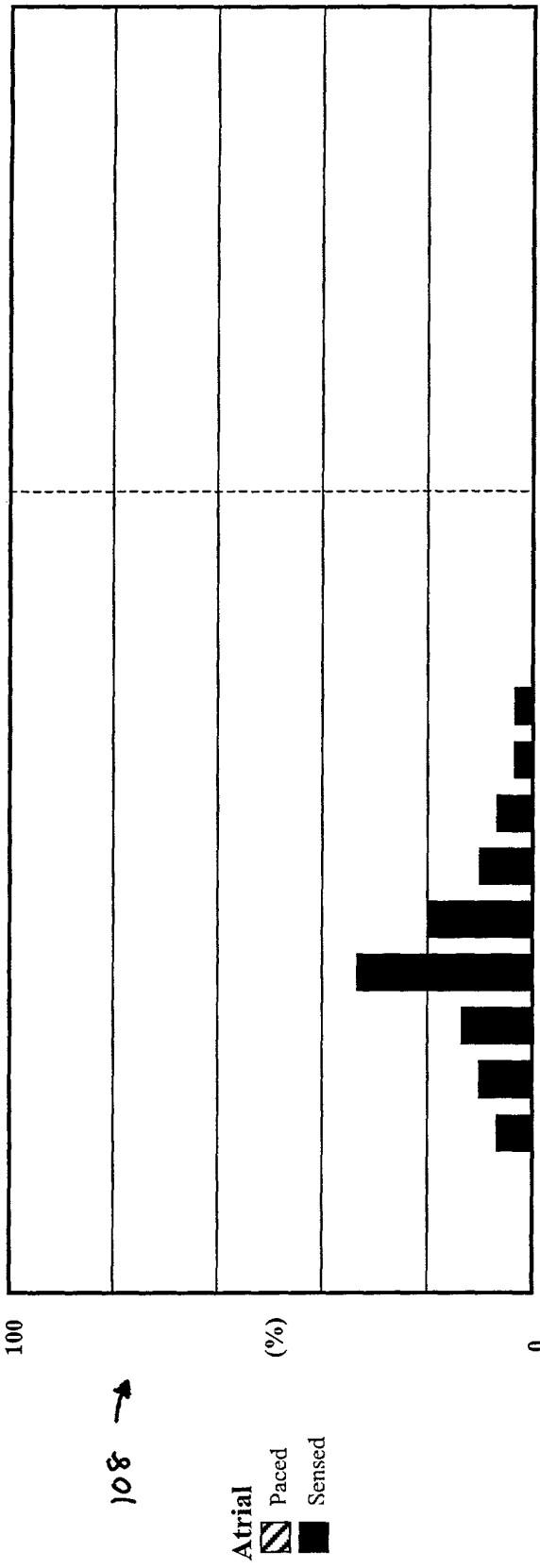


**FIG. 8**

### Compromised Therapy — Significantly Reduced LV Pacing Due To LV Oversensing

Highly sensitive atrial sensing leads to significant atrial oversensing.

ATR → 108 → ATR → 110 → ATR



100 → 32 → 100 →

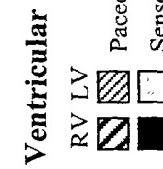
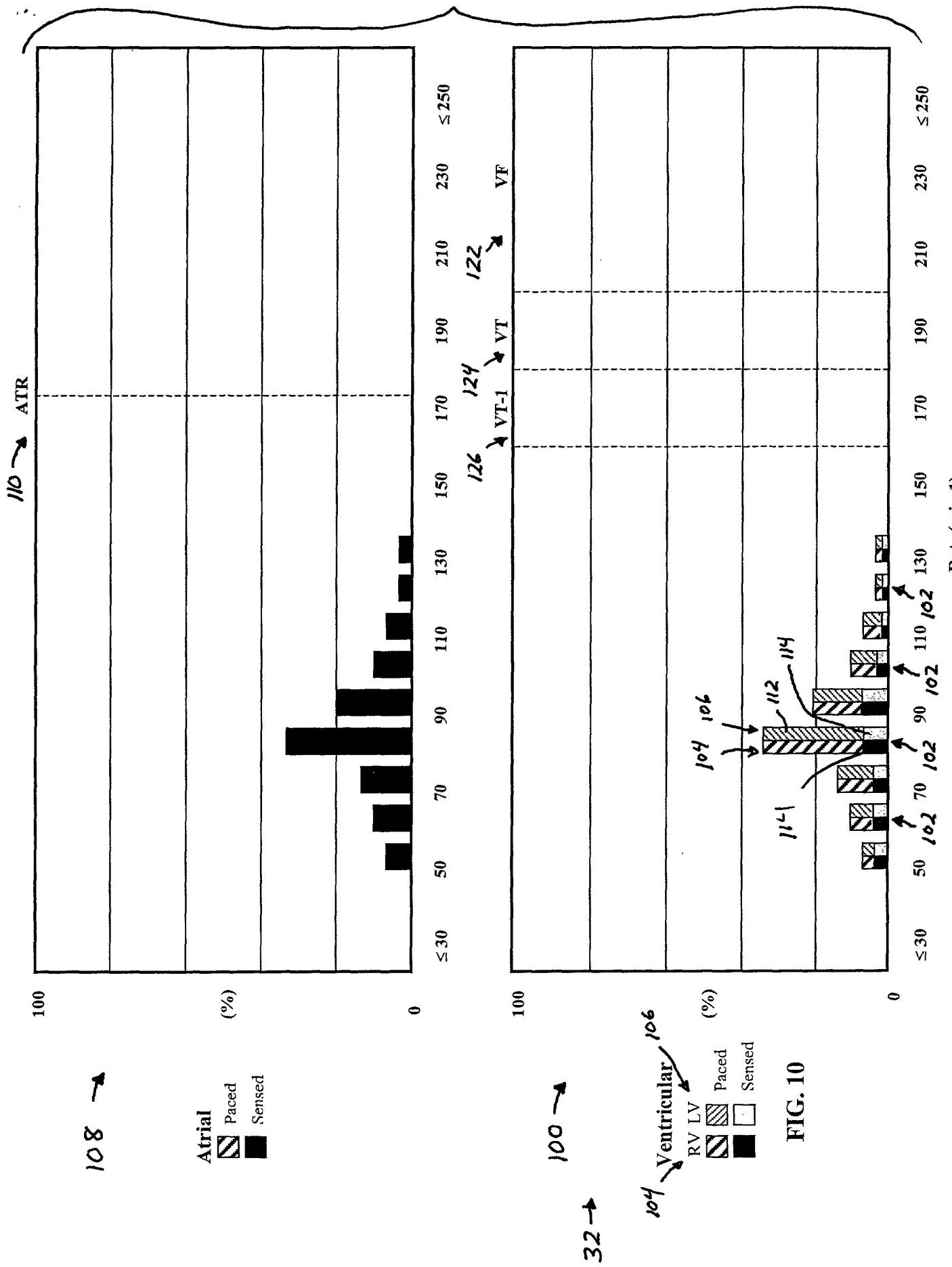


FIG. 9

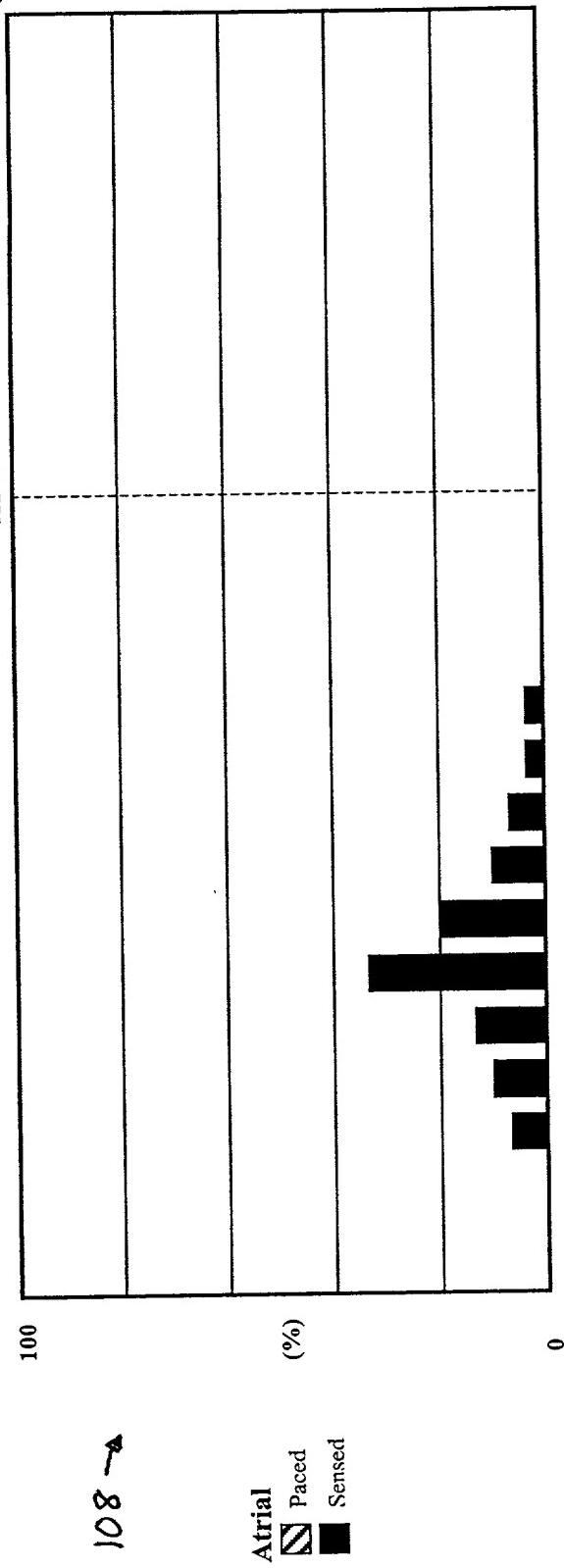
Rate (min<sup>-1</sup>)

Compromised Therapy Due To PR Interval < AV Delay Independent Of Rate



**Compromised Therapy — Loss of BV Pacing Due To PR Interval < AV Delay At Elevated Rates**

108 →



0      ≤ 30    50    70    90    110    130    150    170    190    210    230    ≤ 250

108 → ATR

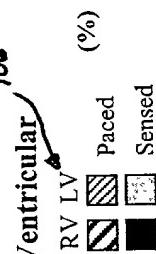
100 →



0      ≤ 30    50    70    90    102    104    106    112    114    116    118    120    122    124    126    128    130    150    170    190    210    230    ≤ 250

100 →

32 →



0      ≤ 30    50    70    90    102    104    106    112    114    116    118    120    122    124    126    128    130    150    170    190    210    230    ≤ 250

100 →

**FIG. 11**

0      ≤ 30    50    70    90    102    104    106    110    112    114    116    118    120    122    124    126    128    130    150    170    190    210    230    ≤ 250

Data from 11